CLAIMS

I claim:

1. A medical intubation device, comprising:

a flexible gastrointestinal aspiration generally elongated tubular assembly having an insertion end and an external end for intubation of a patient, comprising:

a first generally longitudinal wall structure forming a first lumen of a first relatively soft elastomeric material to allow some compression to conform to body passages, and adapted for the delivery of fluids to the duodenum or other intestinal area of a patient;

a second generally longitudinal wall structure forming a second lumen formed interiorly to the first lumen of a second elastomeric material, the second elastomeric material being relatively less compressible than the first elastomeric material, adapted for connection to an aspiration device for aspiration of fluids from the stomach of the patient; and

a third generally longitudinal wall structure forming a third lumen, formed interiorly to the second lumen and in fluid communication with the second lumen,

wherein the insertion end of the flexible gastrointestinal aspiration tubular assembly is positioned substantially with the duodenum or other intestinal area of the patient,

whereby delivery of fluids to the duodenum or other intestinal area and aspiration of fluids from the stomach can be performed substantially simultaneously.

2. The medical intubation device of claim 1,

wherein the flexible gastrointestinal tubular assembly is adapted for insertion into the patient via an oral-nasal cavity of the patient, and

wherein the first elastomeric material is selected to limit irritation of the oral-nasal cavity when the flexible gastrointestinal tubular assembly is inserted into the oral-nasal cavity.

3. The medical intubation device of claim 1, wherein the first lumen, second lumen, and third lumen coterminate at the insertion end of the flexible gastrointestinal aspiration tubular assembly.

4. The medical intubation device of claim 1, wherein the first lumen terminates at the insertion end of the flexible gastrointestinal aspiration tubular assembly, and

wherein the second lumen and the third lumen terminate between the insertion and the external end of the flexible gastrointestinal aspiration tubular assembly.

5. The medical intubation device of claim 1, further comprising:

a cap member coupled to the insertion end of the flexible gastrointestinal aspiration tubular assembly.

6. The medical intubation device of claim 5, wherein the cap member is inserted into the insertion end of the flexible gastrointestinal aspiration tubular assembly prior to insertion of the flexible gastrointestinal aspiration tubular assembly into the patient.

7. The medical intubation device of claim 6, wherein the cap member comprises:

a first section, adapted for insertion into the first lumen, closing the first lumen;

a second section, adapted for insertion into the second lumen, closing the second lumen; and

a third section, adapted for insertion into the third lumen, closing the third lumen.

8. The medical intubation device of claim 5, wherein the cap member is a weighted member.

9. The medical intubation device of claim 1, further comprising:

a radio opaque marker coupled to the flexible gastrointestinal aspiration tubular assembly,

whereby the position of the flexible gastrointestinal aspiration tubular assembly can be monitored.

10. The medical intubation device of claim 1, the first lumen comprising:

a first lumen external end, extending external to the patient after positioning of the flexible gastrointestinal aspiration tubular assembly for delivery of fluids to the patient;

a first lumen insertion end, for positioning substantially with the duodenum or other intestinal area of the patient;

an opening for discharge of fluids proximal to the first lumen insertion end.

11. The medical intubation device of claim 1, the second lumen comprising:

a second lumen external end, extending external to the patient after positioning of the flexible gastrointestinal aspiration tubular assembly for connection to an aspiration device;

a second lumen opening providing fluid communication with the stomach of the patient, positioned for aspiration of fluids from the stomach of the patient after positioning of the flexible gastrointestinal aspiration tubular assembly.

12. The medical intubation device of claim 11, further comprising:

a radio opaque marker coupled to the flexible gastrointestinal aspiration tubular assembly proximal to the second lumen opening,

whereby the position of the second lumen opening can be monitored.

13. The medical intubation device of claim 12, wherein the second lumen opening extends through the radio opaque marker.

14. The medical intubation device of claim 11, the third lumen comprising:

a third lumen external end, extending external to the patient after positioning of the flexible gastrointestinal aspiration tubular assembly for ventilation of the second lumen; and

a third lumen opening providing fluid communication between the second lumen and the third lumen proximal to the second lumen opening.

15. The medical intubation device of claim 11, wherein the second lumen opening is positioned within the stomach of the patient when the insertion end of the flexible gastrointestinal aspiration tubular assembly is positioned substantially with the duodenum or other intestinal area.

16. The medical intubation device of claim 1, the third lumen comprising:

a third lumen external end, extending external to the patient after positioning of the flexible gastrointestinal aspiration tubular assembly for ventilation of the second lumen; and

a valve disposed external to the patient coupled to the third lumen external end.

17. The medical intubation device of claim 16, wherein the valve is a check valve.

18. The medical intubation device of claim 16, wherein the valve is adapted for insertion of a syringe.

19. A medical intubation device, comprising:

a flexible gastrointestinal aspiration generally elongated tubular assembly having an insertion end and an external end for intubation of a patient, comprising:

a first generally longitudinal wall structure forming a first lumen of a first relatively soft elastomeric material to allow some compression to conform to body passages, and adapted for the delivery of fluids to the duodenum or other intestinal area of a patient;

a second generally longitudinal wall structure forming a second lumen formed interiorly to the first lumen of a second elastomeric material, the second elastomeric material being relatively less compressible than the first elastomeric material, adapted for connection to an aspiration device for aspiration of fluids from the stomach of the patient,

wherein the insertion end of the flexible gastrointestinal aspiration tubular assembly is positioned substantially with the duodenum or other intestinal area of the patient,

whereby delivery of fluids to the duodenum or other intestinal area and aspiration of fluids from the stomach can be performed substantially simultaneously.

20. The medical intubation device of claim 19, the flexible gastrointestinal aspiration generally elongated tubular assembly further comprising:

a third generally longitudinal wall structure forming a third lumen, formed interiorly to the second lumen and in fluid communication with the second lumen, adapted to provide ventilation to the second lumen.

21. The medical intubation device of claim 19,

wherein the flexible gastrointestinal tubular assembly is adapted for insertion into the patient via an oral-nasal cavity of the patient, and

wherein the first elastomeric material is selected to limit irritation of the oral-nasal cavity when the flexible gastrointestinal tubular assembly is inserted into the oral-nasal cavity.

22. The medical intubation device of claim 19, further comprising:

a radio opaque marker coupled to the flexible gastrointestinal aspiration tubular assembly,

whereby the position of the flexible gastrointestinal aspiration tubular assembly can be monitored.

23. The medical intubation device of claim 19, the first lumen comprising:

a first lumen external end, extending external to the patient after positioning of the flexible gastrointestinal aspiration tubular assembly for delivery of fluids to the patient;

a first lumen insertion end, for positioning substantially with the duodenum or other intestinal area of the patient;

an opening for discharge of fluids proximal to the first lumen insertion end.

24. The medical intubation device of claim 19, the second lumen comprising:

a second lumen external end, extending external to the patient after positioning of the flexible gastrointestinal aspiration tubular assembly for connection to an aspiration device;

a second lumen opening providing fluid communication with the stomach of the patient, positioned for aspiration of fluids from the stomach of the patient after positioning of the flexible gastrointestinal aspiration tubular assembly.

25. The medical intubation device of claim 24, wherein the second lumen opening is positioned within the stomach of the patient when the insertion end of the flexible gastrointestinal aspiration tubular assembly is positioned substantially with the duodenum or other intestinal area.